UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,272,544 B2
APPLICATION NO. : 10/758630
DATED   : September 18, 2007
INVENTOR(S) : Vipin Gopal et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 7, line 21, delete "computer-readable medium" and add --computer readable storage medium--;

In Column 7, line 27, delete "process to be modeled" and add --process being modeled--;

In Column 7, line 32, delete "assumptions and applied model transformations" and add --assumptions--;

In Column 7, line 43, delete "is a flash column" and add --represents a flash column--;

In Column 7, lines 46-51 delete "rate of change of the mass of vapor, rate of change of a mass of liquid, energy change of a vapor, energy change of a liquid, pressure equilibrium correlation, thermal equilibrium correlation, vapor and liquid enthalpy equations, equal pressure, gas law and volume correlation" and add --rate of change of a mass of a vapor, a rate of change of a mass of liquid, energy change of the vapor, energy change of the liquid, pressure equilibrium correlation, thermal equilibrium correlation, vapor and liquid enthalpy equations, gas law and volume correlation--;

In Column 8, line 9, delete "computer-readable medium" and add --computer readable storage medium--;

In Column 8, line 14, delete "the environment of a process being modeled" and add --an environment of the process being modeled--;

In Column 8, line 17, delete "assumptions and applied model transformations" and add --assumptions--;

In Column 8, lines 27-34, delete "the symbolic generic component comprises representations of parameters for a flash column selected from the group consisting of a rate of change of the mass of vapor, rate of change of a mass of liquid, energy change of a vapor, energy change of a liquid, pressure equilibrium correlation, thermal equilibrium correlation, vapor and liquid enthalpy equations, equal pressure, gas law, and volume correlation" and add --the symbolic generic model comprises representations of parameters for a flash column selected from the group consisting of a rate of change of a mass of a vapor, a rate of change of a mass liquid, energy change of the vapor, energy change of the liquid, pressure equilibrium correlation, thermal equilibrium correlation, vapor and liquid enthalpy equations, gas law, and volume correlation--;

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       In Column 8, line 44, delete "computer-readable medium" and add --computer readable storage medium--;
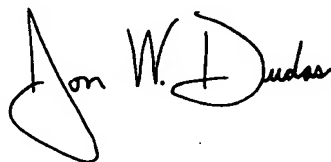
       In Column 8, line 48 delete "a environment independent" and add --an environment independent--;

       In Column 8, lines 52-54 delete "representations of the components derived from the generic models based on the assumptions" and add --representations of the components forming component specific models derived from the generic models based on the assumptions; and

       an output interface for storing the component specific models on a computer readable storage medium--.

Signed and Sealed this

First Day of April, 2008

JON W. DUDAS
Director of the United States Patent and Trademark Office